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                   STN Express with Discover!
 NEWS  4  OCT 28   KOREAPAT now available on STN
 NEWS  5  NOV 30   PHAR reloaded with additional data
 NEWS  6  DEC 01   LISA now available on STN
 NEWS  7  DEC 09   12 databases to be removed from STN on December 31, 2004
 NEWS  8  DEC 15   MEDLINE update schedule for December 2004
 NEWS  9  DEC 17   ELCOM reloaded; updating to resume; current-awareness
                   alerts (SDIs) affected
 NEWS  10 DEC 17   COMPUAB reloaded; updating to resume; current-awareness
                   alerts (SDIs) affected
 NEWS  11 DEC 17   SOLIDSTATE reloaded; updating to resume; current-awareness
                   alerts (SDIs) affected
 NEWS  12 DEC 17   CERAB reloaded; updating to resume; current-awareness
                   alerts (SDIs) affected
 NEWS  13 DEC 17   THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
 NEWS  14 DEC 30   EPFULL: New patent full text database to be available on STN
 NEWS  15 DEC 30   CAPLUS - PATENT COVERAGE EXPANDED
 NEWS  16 JAN 03   No connect-hour charges in EPFULL during January and
                   February 2005

 NEWS EXPRESS  OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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=> file caplus uspatful japio medline biosis embase scisearch
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=> s macromer
L1         3594 MACROMER

=> s l1 and (polyalkylene glycol)
L2          114 L1 AND (POLYALKYLENE GLYCOL)

=> s l2 and (glycosaminoglycan# or cellulse# or dextran# or polyvinylpyrrolidone or
(hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
<------User Break------>

SEARCH ENDED BY USER

=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone
or (hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
L3           72 L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLYVIN
                YLPYRROLIDONE OR (HYALURONIC ACID) OR (CARBOXYMETHYL CELLULOSE)
                OR (DEXTRAN SULFATE))

=> s l3 and (biodegradable region#)
L4            5 L3 AND (BIODEGRADABLE REGION#)

=> d l4 1-4 ibib abs

L4   ANSWER 1 OF 5  USPATFULL on STN
ACCESSION NUMBER:         2004:120057  USPATFULL
TITLE:                    Composition for the carrying and delivery of bone
                          growth inducing material and methods for producing and
                          applying the composition
INVENTOR(S):              Lin, Steve T., Gainesville, FL, UNITED STATES
                          Avila, Luis Z., Arlington, MA, UNITED STATES
                          Coury, Arthur J., Boston, MA, UNITED STATES
                          Kramer, Hidegard M., Westport, CT, UNITED STATES
                          Roth, Laurence A., Windham, NH, UNITED STATES
                          Roberts, Rebecca, High Springs, FL, UNITED STATES
                          Sly, Michael Kurt, Gainesville, FL, UNITED STATES

                               NUMBER         KIND    DATE
                          --------------- ------ --------
PATENT INFORMATION:       US 2004091462      A1   20040513
APPLICATION INFO.:        US 2003-645744     A1   20030820  (10)
```

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022
NUMBER OF CLAIMS: 111
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 1674
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:158898 USPATFULL
TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 2941
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation

and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2003:16986 USPATFULL
TITLE:	Biocompatible crosslinked polymers
INVENTOR(S):	Pathak, Chandrashekhar P., Austin, TX, UNITED STATES Sawhney, Amarpreet S., Lexington, MA, UNITED STATES Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S):	Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN
Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100
NUMBER OF CLAIMS:	35
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	10 Drawing Page(s)
LINE COUNT:	2234

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2001:10557 USPATFULL
TITLE:	Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S):	Sawhney, Amarpreet S., Bedford, MA, United States Jarrett, Peter K., Sudbury, MA, United States Coury, Arthur J., Boston, MA, United States Rudowsky, Ronald S., Sudbury, MA, United States

Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524
Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall, Golden & Gregory, LLP
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1296
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L1 3594 S MACROMER
L2 114 S L1 AND (POLYALKYLENE GLYCOL)
L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY
L4 5 S L3 AND (BIODEGRADABLE REGION#)

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             PARN, SUMM, DRWD, DETD, CLM
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IMAX.EX ---- IMAX for original and latest publication
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             EXF, ARTU, OS, CC, SX, ST, IT
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L4 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l4 5 ibib abs

L4 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

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PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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 NEWS  6  DEC 01   LISA now available on STN
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                   alerts (SDIs) affected
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 NEWS  16 JAN 03   No connect-hour charges in EPFULL during January and
                   February 2005

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                AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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                                                      ENTRY    SESSION
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=> s macromer
L1 3594 MACROMER

=> s l1 and (polyalkylene glycol)
L2 114 L1 AND (POLYALKYLENE GLYCOL)

=> s l2 and (glycosaminoglycan# or cellulse# or dextran# or polyvinylpyrrolidone or (hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
<------User Break------>

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=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone or (hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
L3 72 L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLYVIN YLPYRROLIDONE OR (HYALURONIC ACID) OR (CARBOXYMETHYL CELLULOSE) OR (DEXTRAN SULFATE))

=> s l3 and (biodegradable region#)
L4 5 L3 AND (BIODEGRADABLE REGION#)

=> d l4 1-4 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2004:120057 USPATFULL
TITLE: Composition for the carrying and delivery of bone growth inducing material and methods for producing and applying the composition
INVENTOR(S): Lin, Steve T., Gainesville, FL, UNITED STATES
Avila, Luis Z., Arlington, MA, UNITED STATES
Coury, Arthur J., Boston, MA, UNITED STATES
Kramer, Hidegard M., Westport, CT, UNITED STATES
Roth, Laurence A., Windham, NH, UNITED STATES
Roberts, Rebecca, High Springs, FL, UNITED STATES
Sly, Michael Kurt, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004091462	A1	20040513	
APPLICATION INFO.:	US 2003-645744	A1	20030820	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022
NUMBER OF CLAIMS: 111
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 1674
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:158898 USPATFULL
TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 2941
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation

and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2003:16986 USPATFULL
TITLE:	Biocompatible crosslinked polymers
INVENTOR(S):	Pathak, Chandrashekhar P., Austin, TX, UNITED STATES Sawhney, Amarpreet S., Lexington, MA, UNITED STATES Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S):	Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100
NUMBER OF CLAIMS:	35
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	10 Drawing Page(s)
LINE COUNT:	2234

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2001:10557 USPATFULL
TITLE:	Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S):	Sawhney, Amarpreet S., Bedford, MA, United States Jarrett, Peter K., Sudbury, MA, United States Coury, Arthur J., Boston, MA, United States Rudowsky, Ronald S., Sudbury, MA, United States

Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524
Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall, Golden & Gregory, LLP
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1296
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 13:46:02 ON 09 JAN 2005)

FILE 'CAPLUS, USPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE, SCISEARCH'
ENTERED AT 13:51:23 ON 09 JAN 2005
L1 3594 S MACROMER
L2 114 S L1 AND (POLYALKYLENE GLYCOL)
L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY
L4 5 S L3 AND (BIODEGRADABLE REGION#)

=> d l4 5 ibibs abs
'IBIBS' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS -------- AB

ALL -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
EXF, ARTU
ALLG ------- ALL plus PAGE.DRAW
BIB -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,
PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
BIB.EX ----- BIB for original and latest publication
BIBG ------- BIB plus PAGE.DRAW
BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must
entered on the same line as DISPLAY, e.g., D BROWSE.
CAS -------- OS, CC, SX, ST, IT
CBIB ------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
DALL ------- ALL, delimited for post-processing
FP --------- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,
PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL,
NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,
CLMN, DRWN, AB
FP.EX ------ FP for original and latest publication
FPALL ------ PI, TI, IN, INA, PA, PAA, PAT, PETRM, DCD, AI,
RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM,
NCLS, EXF, REP, REN,ARTU, EXNAM, LREP, CLMN, DRWN, AB,
PARN, SUMM, DRWD, DETD, CLM
FPBIB ------ PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
FHITSTR ---- HIT RN, its text modification, its CA index name, and
its structure diagram
FPG -------- FP plus PAGE.DRAW
GI --------- PN and page image numbers
HIT -------- All fields containing hit terms
HITRN ------ HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram
IABS ------- ABS, indented with text labels
IALL ------- ALL, indented with text labels
IALLG ------ IALL plus PAGE.DRAW
IBIB ------- BIB, indented with text labels
IBIB.EX ---- IBIB for original and latest publication
IBIBG ------ IBIB plus PAGE.DRAW
IMAX ------- MAX, indented with text labels
IMAX.EX ---- IMAX for original and latest publication
IND -------- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
EXF, ARTU, OS, CC, SX, ST, IT
ISTD ------- STD, indented with text labels
KWIC ------- All hit terms plus 20 words on either side
MAX -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
EXF, ARTU OS, CC, SX, ST, IT
MAX.EX ----- MAX for original and latest publication
OCC -------- List of display fields containing hit terms
SBIB ------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
DT, FS, LN.CNT
SCAN ------- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display
without answer number. SCAN must be entered on the
same line as DISPLAY, e.g., D SCAN)
STD -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
IC, ICM, ICS, EXF (STD is the default)
STD.EX ----- STD for original and latest publication
TRIAL ------ AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
ICM, ICS

ENTER DISPLAY FORMAT (STD):ibib

L4 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l4 5 ibib abs

L4 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

55402-2100
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 2941
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Biocompatible crosslinked polymers, and methods for their preparation and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:16986 USPATFULL
TITLE: Biocompatible crosslinked polymers
INVENTOR(S): Pathak, Chandrashekhar P., Austin, TX, UNITED STATES
Sawhney, Amarpreet S., Lexington, MA, UNITED STATES
Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S): Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN
Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Page(s)
LINE COUNT: 2234
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 5 USPATFULL on STN

Roberts, Rebecca, High Springs, FL, UNITED STATES
Sly, Michael Kurt, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004091462	A1	20040513
APPLICATION INFO.:	US 2003-645744	A1	20030820 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022
NUMBER OF CLAIMS: 111
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 1674
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:158898 USPATFULL
TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN,

ACCESSION NUMBER: 2001:10557 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524
Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall, Golden & Gregory, LLP
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1296
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 13:46:02 ON 09 JAN 2005)

FILE 'CAPLUS, USPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE, SCISEARCH'
ENTERED AT 13:51:23 ON 09 JAN 2005
L1 3594 S MACROMER
L2 114 S L1 AND (POLYALKYLENE GLYCOL)
L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY
L4 5 S L3 AND (BIODEGRADABLE REGION#)

=> s l3 and adhesive
L5 27 L3 AND ADHESIVE

=> s l5 and (reactive groups) and (ethylenic or acrylate or succinimidate or isocyanate)
L6 5 L5 AND (REACTIVE GROUPS) AND (ETHYLENIC OR ACRYLATE OR SUCCINIMIDATE OR ISOCYANATE)

=> s l6 1-5 ibib abs
MISSING OPERATOR L6 1-5
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d l6 1-5 ibib abs

L6 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2004:120057 USPATFULL
TITLE: Composition for the carrying and delivery of bone growth inducing material and methods for producing and applying the composition
INVENTOR(S): Lin, Steve T., Gainesville, FL, UNITED STATES
Avila, Luis Z., Arlington, MA, UNITED STATES
Coury, Arthur J., Boston, MA, UNITED STATES
Kramer, Hidegard M., Westport, CT, UNITED STATES
Roth, Laurence A., Windham, NH, UNITED STATES

Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.